

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
 (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

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| Applicant's or agent's file reference P205-0458WO | FOR FURTHER ACTION | | See item 4 below |
| International application No. PCT/JP2005/019938 | International filing date (<i>day/month/year</i>) 25 October 2005 (25.10.2005) | Priority date (<i>day/month/year</i>) 28 October 2004 (28.10.2004) | |
| International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237 | | | |
| Applicant CANON KABUSHIKI KAISHA | | | |

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

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|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

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| Date of issuance of this report 01 May 2007 (01.05.2007) |
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| Authorized officer |
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Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

REC'D 29 DEC 2005

WIPO

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To:
OHTSUKA, Yasunori

7th FL., SHUWA KIOICHO PARK
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PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43 bis.1)

Applicant's or agent's file reference
P205-0458WO

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| Date of mailing (day/month/year) | 27.12.2005 |
|-------------------------------------|------------|

FOR FURTHER ACTION

See paragraph 2 below

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|---|---|---|
| International application No. PCT/JP2005/019938 | International filing date (day/month/year) 25.10.2005 | Priority date (day/month/year) 28.10.2004 |
|---|---|---|

International Patent Classification (IPC) or both national classification and IPC

Int.Cl. **H04L12/28** (2006. 01)

Applicant
CANON KABUSHIKI KAISHA

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

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| Date of completion of this opinion | 14.12.2005 |
| Name and mailing address of the ISA/JP Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan | Authorized officer Tsutomu Nakaki Telephone No. +81-3-3581-1101 Ext. 3596 |
| 5X 9299 | |

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/019938

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
 a sequence listing
 table(s) related to the sequence listing
 - b. format of material
 on paper
 in electronic form
 - c. time of filing/furnishing
 contained in the international application as filed
 filed together with the international application in electronic form
 furnished subsequently to this Authority for the purposes of search
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

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| <p align="right">International application No. PCT/JP2005/019938</p> |
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| Box No. V | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
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1. Statement

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|-------------------------------|--------|---|-----|
| Novelty (N) | Claims | <u>1-19</u> | YES |
| | Claims | _____ | NO |
| Inventive step (IS) | Claims | <u>2, 3, 5, 7, 8, 10, 11, 13, 15-19</u> | YES |
| | Claims | <u>1, 4, 6, 9, 12, 14</u> | NO |
| Industrial applicability (IA) | Claims | <u>1-19</u> | YES |
| | Claims | _____ | NO |

2. Citations and explanations:

The following document has been considered for the purpose of this report:
D1 = [JP 07-295903 A]
D2 = [JP 2003-218733 A]
D3 = [JP 2002-118577 A]
D4 = [JP 2003-188886 A]

Claim 1,4,6,9,12,14

Document 1 disclose

instructing means for instructing to start processing in order to start communicating with a wireless communication device;
transmission means for transmitting a search signal containing verification data by the wireless communication means when a start is instructed by said instructing means;
and recognizing means for recognizing that communicating is possible when the verification data is contained in the response signal.

Document 2 disclose

setting means for setting an authentication area narrower than a communicative area and transmitting information (device address and clock) to the wireless communication device after authentication.

Document 3 and 4 disclose

setting means for setting an authentication area narrower than a communicative area.

The subject matter of claim 1,4,6,9,12,14 does not meet the requirement of novelty.

Claim 2,3,5,7,8,10,11,13,15-19

The subject matter of claim 2,3,5,7,8,10,11,13,15-19 is considered to involve an inventive step over D1-D4 for the following reasons:

None of D1-D4 describes [transmitting a search signal containing response time interval data by the wireless communication means] and [detecting an absolute value of reception intensity difference].